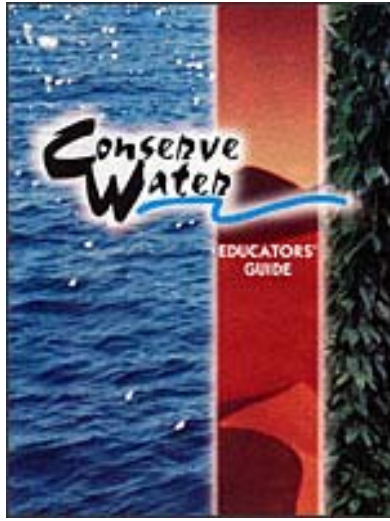


Blue Traveler



Sides of Dice for activity - Blue Traveler
from

Conserve Water – Watercourse publication

ISBN 1-888631-04X

(Ordering information below)

Use 19 4 x 4 boxes – (Can use mug boxes from stores or get from mailing stores)

To make signs for each station – enlarge one of the pictures you use for the dice and put on file folders.

Laminate or cover with clear contact paper.

Punch two holes in the bottom of the signs and use long pipe cleaners

Can attach the signs to yardsticks or green garden poles.

Folders will also stand alone if activity is used inside.

Keep pipe cleaners on folders to use inside or outside.

Can color the pictures, or use color paper for each picture.

Indiana Project WET
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Program of
Purdue University and
IDNR Division of Soil Conservation

PAGE 43 of the Conserve Water Educator's Guide has the instructions for the activity and on **PAGE 63** you will find the water journey map to record your journey.
Conserve Water can be ordered from the Watercourse at 406-994-5392
Watercourse publications can be found at <http://www.nativewaters.org/publications.html>

The Incredible Journey & Blue Traveler - Project WET

BEAD Extension to activity:

Activity: "Incredible Journey" And Blue Traveler

Have students create a water cycle bracelet. As students move through the water cycle, ask them to label their journey maps in the order in which they move from station to station. For example, if they roll the die and rain into the "ocean," have students record #1 by the ocean; #2 by the second station they roll, and so forth.

After they have played the game and disclosed their conclusions about the water cycle, have them create a Water Cycle Bracelet. Make available lengths of twine on which beads may be strung. Purchase beads in colors that relate to the cycle: brown for ground water; blue for the ocean, white for the glacier, and so forth. Using their maps, students will string the appropriate colored beads on their bracelets relative to the order of stations they visited.

Have students wear the bracelets and, as they point to each bead, tell the story of the water molecule as it moves through the water cycle.

(Submitted by Sue McWilliams, Project WET Oregon Coordinator)

Assign each station a color of a bead. Pony beads work the best as they have larger openings for stringing them.

You may select any color beads that you have available.

BLUE TRAVELER ADDITION OF OPAQUE or TRANSPARENT BEADS

When I used the Blue Traveler activity I used transparent beads for the constructed cycle. So, when you do the activity you can have everyone look at their bracelets and see very quickly how many times humans interact with - and impact - the water cycle.

Nancy Brown – Elkhart County Soil and Water Conservation District - Indiana

This works with any age group.

- 1) You may put the beads at each station and instead of writing down where you have gone on your journey you may just take a bead and string on leather, twine - use string to record your journey. Works well with younger kids who can't write yet.
- 2) You may string beads after your journey using a color chart. Or you can string during your journey in addition to writing down the stations visited.
- 3) Beads may be strung into a bracelet, ankle bracelet, necklace or even into a dream catcher.

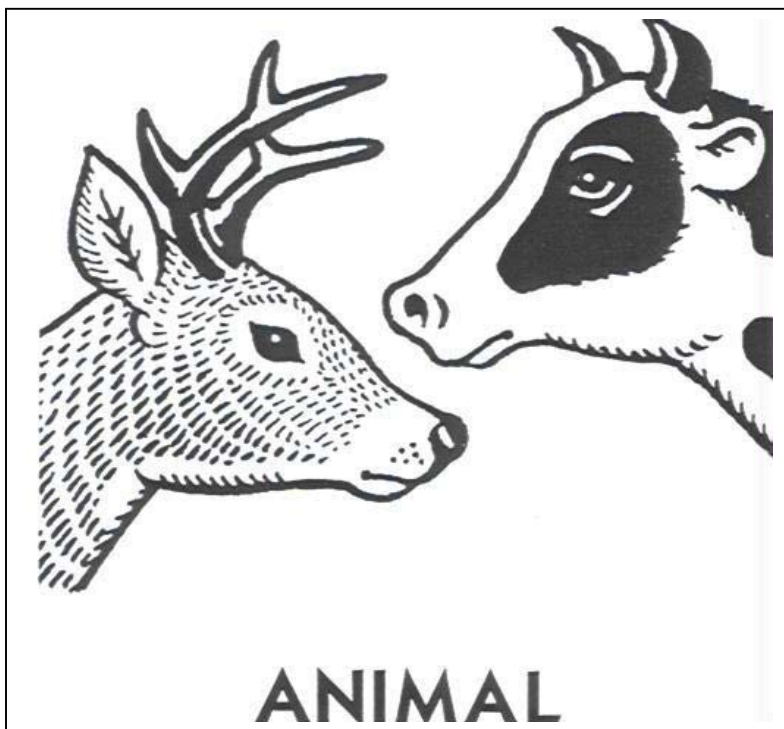
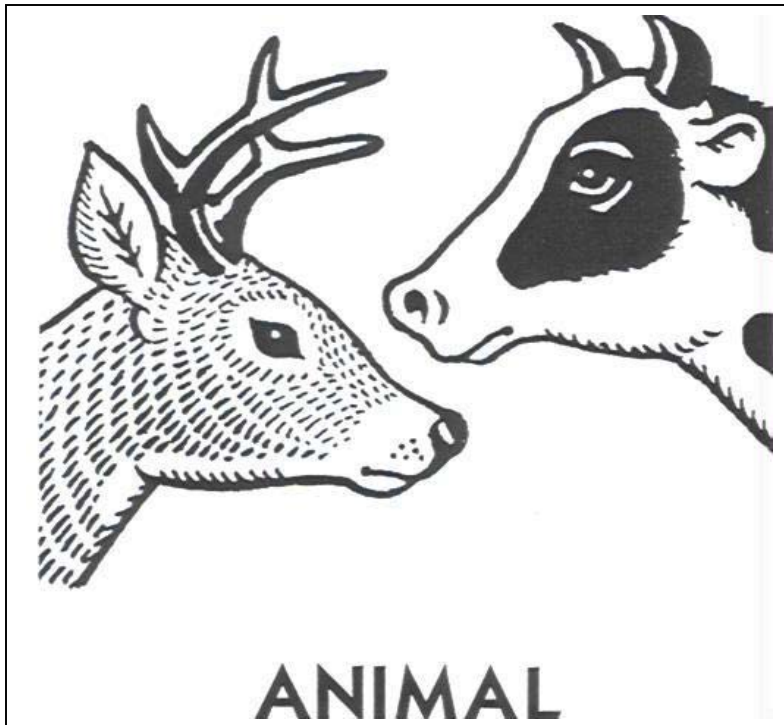
- 4) A supply source for beads that I have used is Boleks in Ohio. Currently their beads are \$2.50 per 1000 beads and you can order them by color. They also carry leather and other suitable items for stringing the beads. (Yarn frays to quickly)

**Bolek's Craft Supply Inc.
330 N. Tuscarawas Ave
Dover, Ohio 44622-04665
Phone # 800-743-2723
Fax# 800-649-3735**

- 5) Be sure to check the National Project WET home page for additional extensions and ideas on activities.

<http://www.montana.edu/wwwwet> or www.projectwet.org

Susan M. Schultz /IN Project WET – 317-562-0788 --4/01



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper
for each set of pictures
(or you may color picture)

Example: Animal – Red

This picture needs a **total of
five 4X4 square panels for
the dice (3 copies)**

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10-00

317-562-0788
projectwet@ dnr.state.in.us

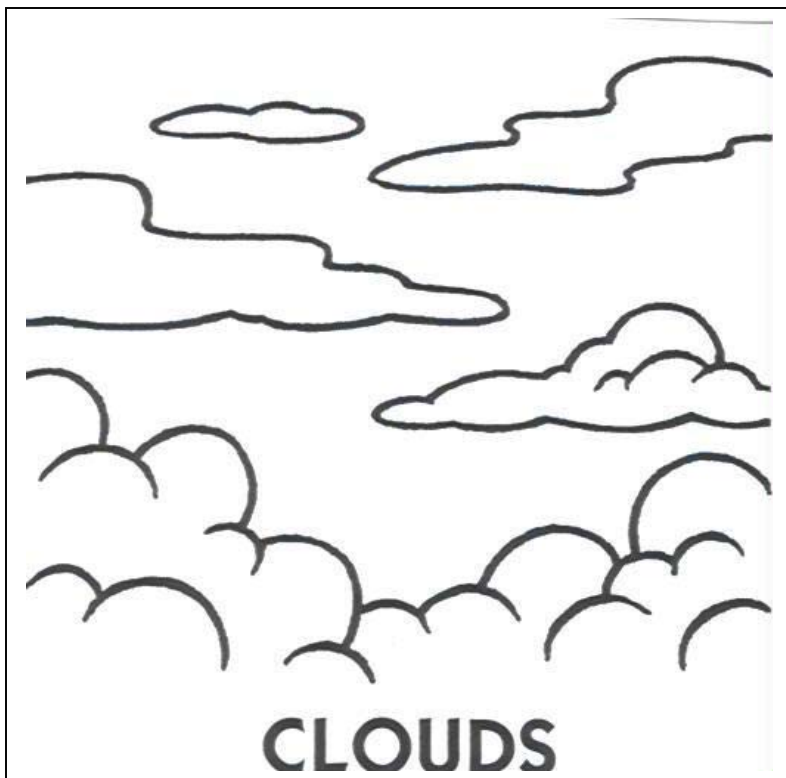
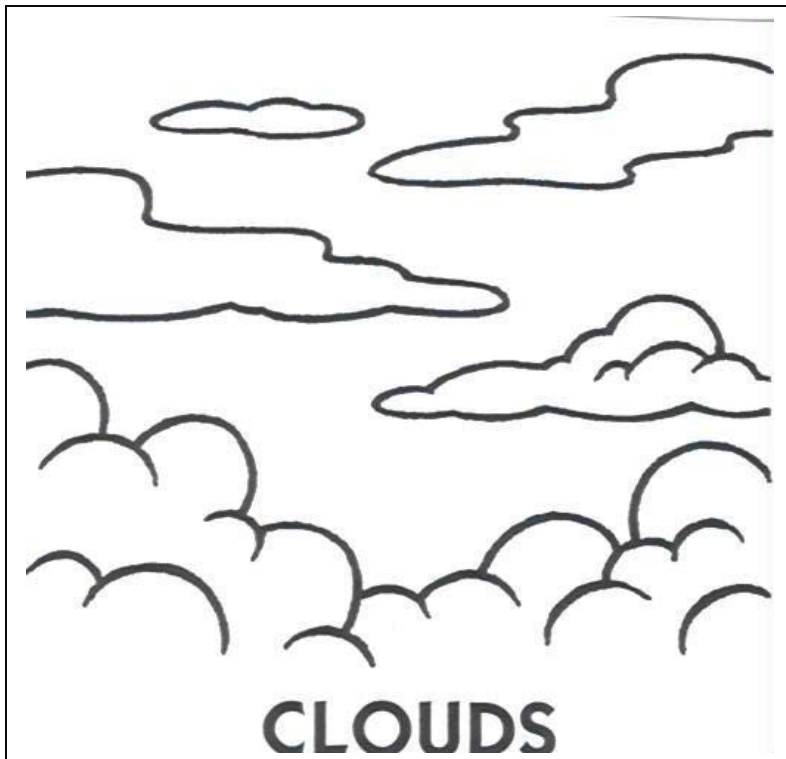
Animal Dice side pictures are:

2 soil
3 clouds
1 stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Animal in one corner of dice.



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper for
each set of pictures
(or you may color pictures)

Example: Animal – Red

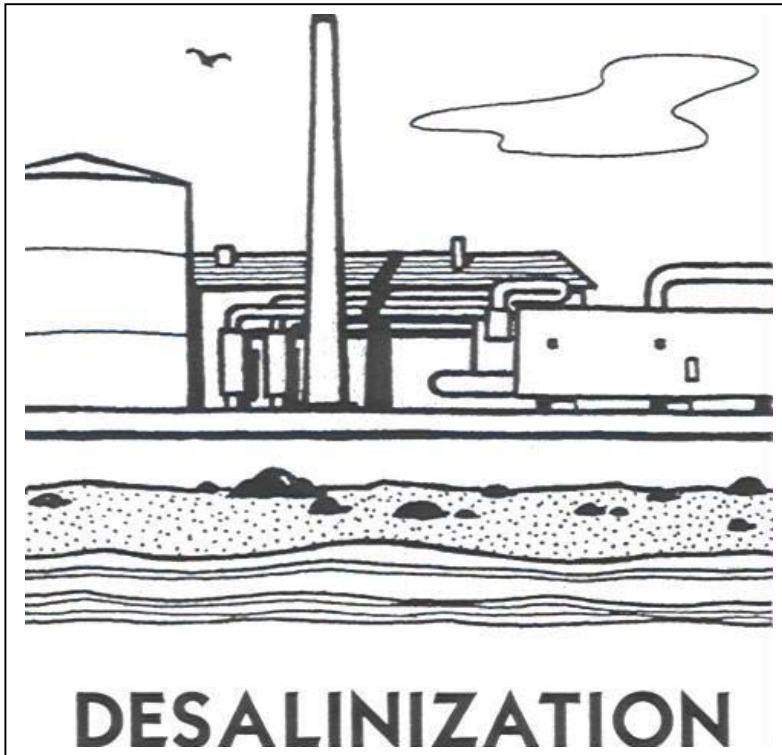
This picture needs a **total of 21
4X4 square panels for the dice
(11 copies)**

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Clouds Dice side pictures are:

- 1 soil
- 1 glacier
- 1 lake
- 1 ocean
- 1 stay
- 1 recreation



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color the picture)

Example: Animal – Red

This picture needs a **total of
one 4X4 square panel for the
dice (1 copy)**

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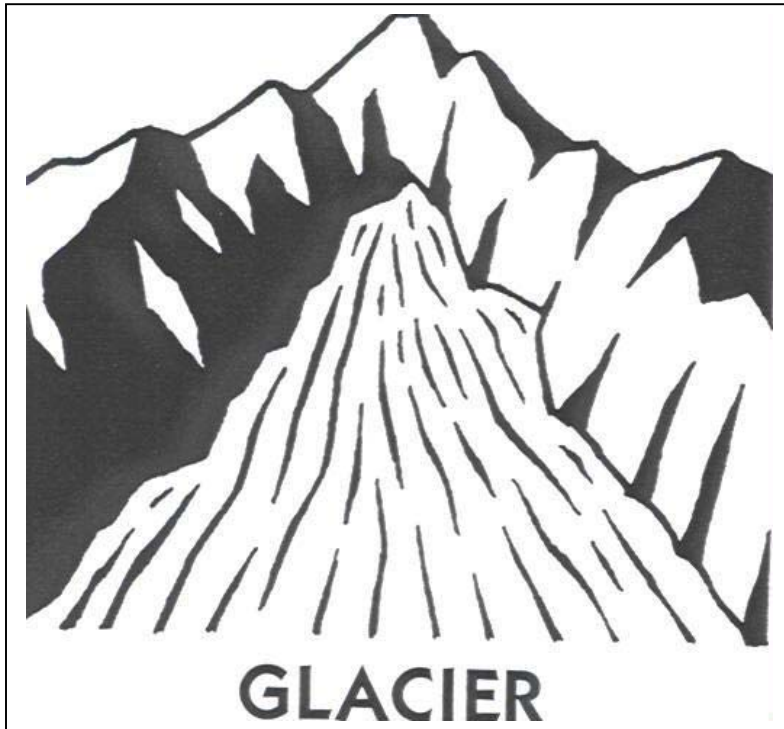
Desalinization Dice side pictures are:

2 urban
1 irrigation
1 industry
1 stay
1 cloud

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Desalinization in one corner of dice.



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper for
each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of one
4X4 square panel for the dice
(1 copy)**

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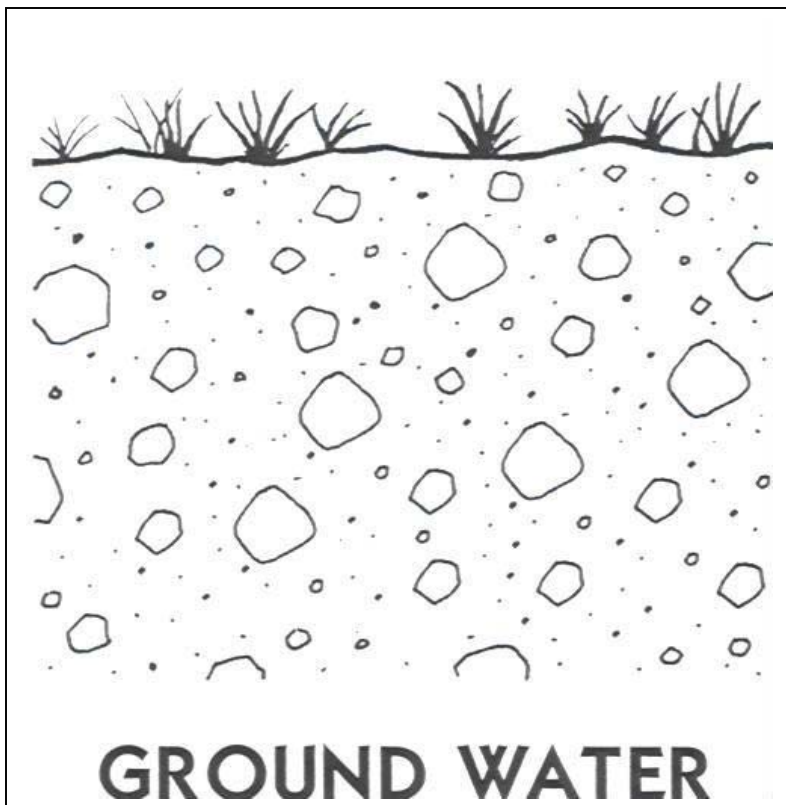
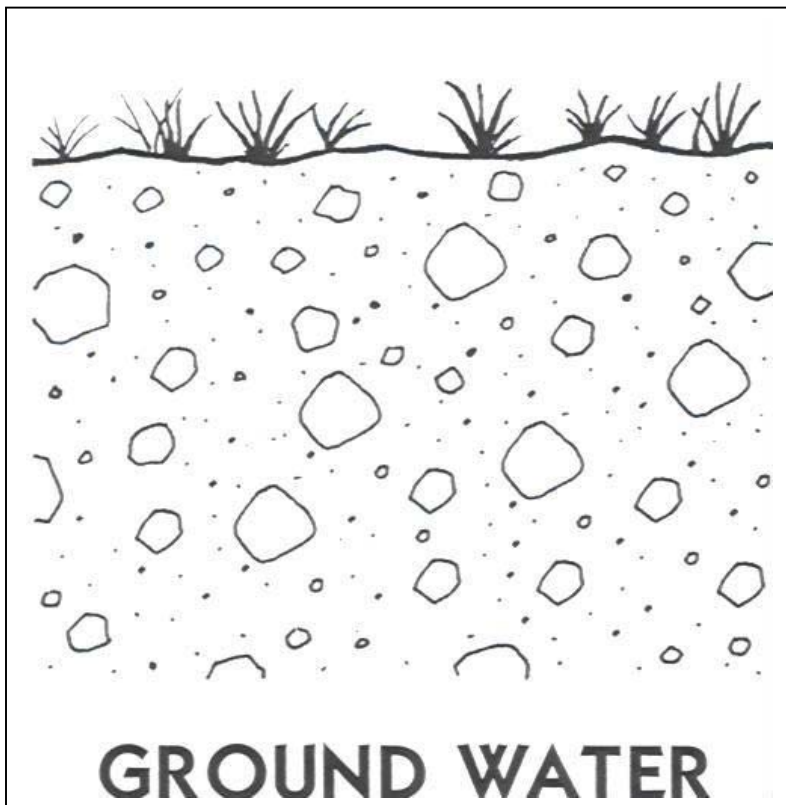
Glacier Dice side pictures are:

1 ground water
1 cloud
1 river
3 stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Glacier in one corner of dice.



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of six
4X4 square panels for the dice
(3 copies)**

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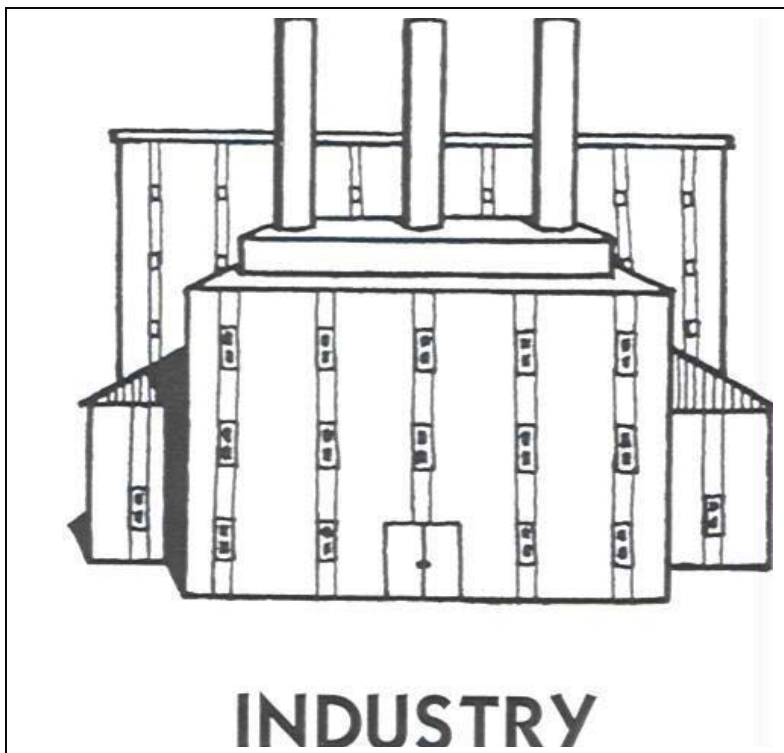
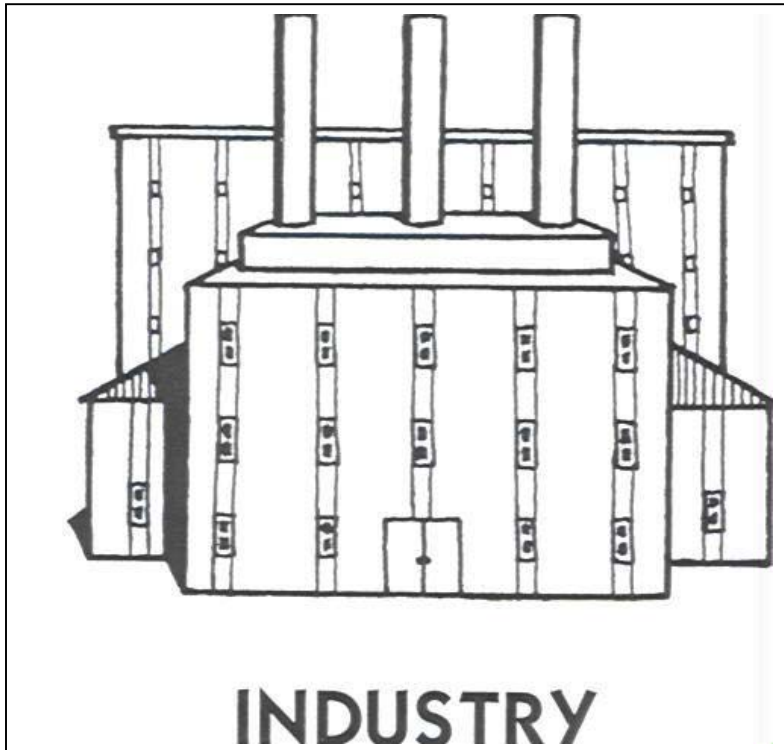
Ground Water Dice side pictures are:

- 1 river
- 1 lake
- 1 stay
- 1 well
- 1 water treatment
- 1 irrigation

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Ground water in one corner of dice.



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of six
4X4 square panels for the dice
(3 copies)**

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Industry Dice side pictures are:

2 stay
2 wastewater
2 clouds

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Industry in one corner of dice.



IRRIGATION



IRRIGATION

Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
seven 4X4 square panels for
the dice (4 copies)**

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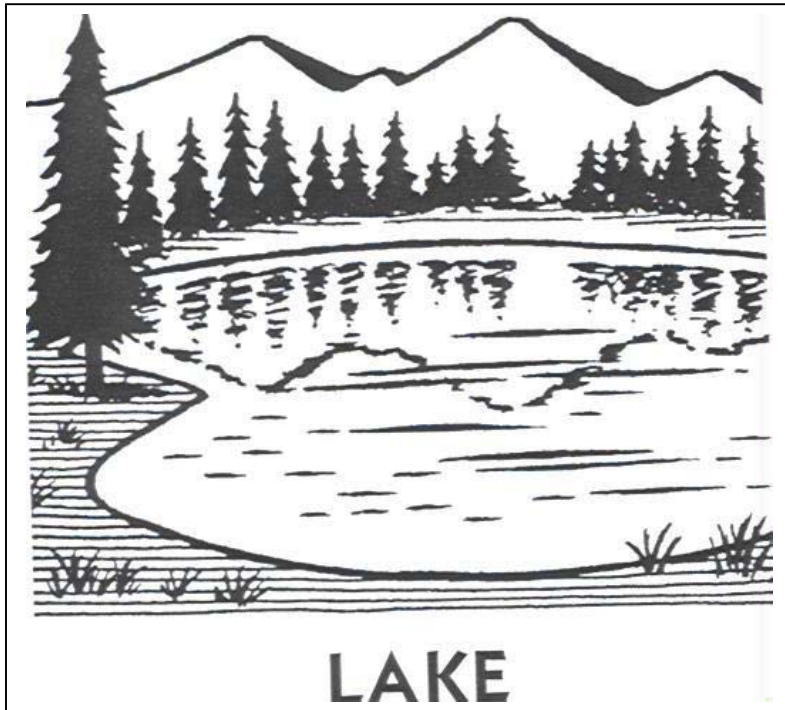
Irrigation Dice side pictures are:

- 1 soil
- 2 plants
- 1 cloud
- 1 river
- 1 animal

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Irrigation in one corner of dice.

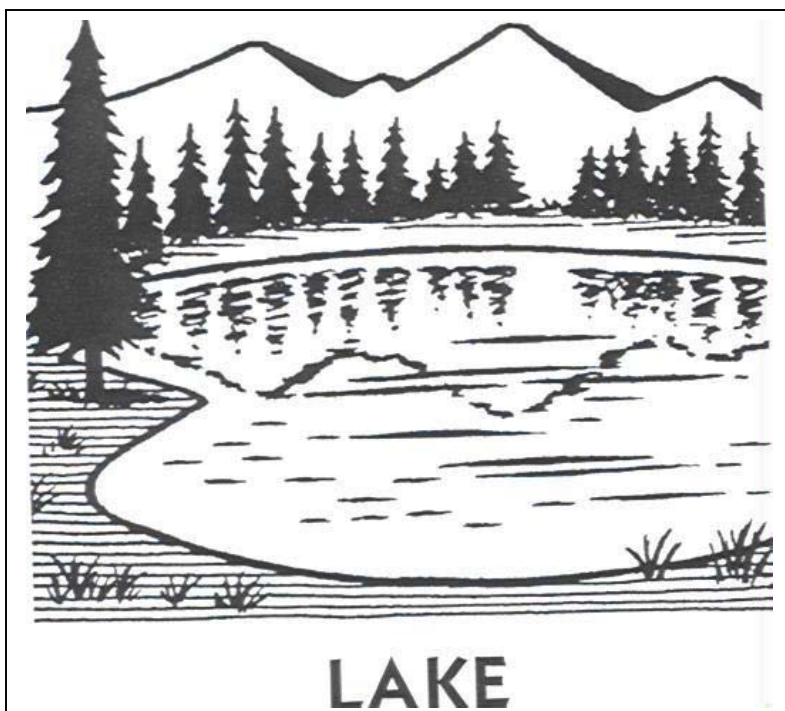


Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
three 4X4 square panels for
the dice (2 copies)**



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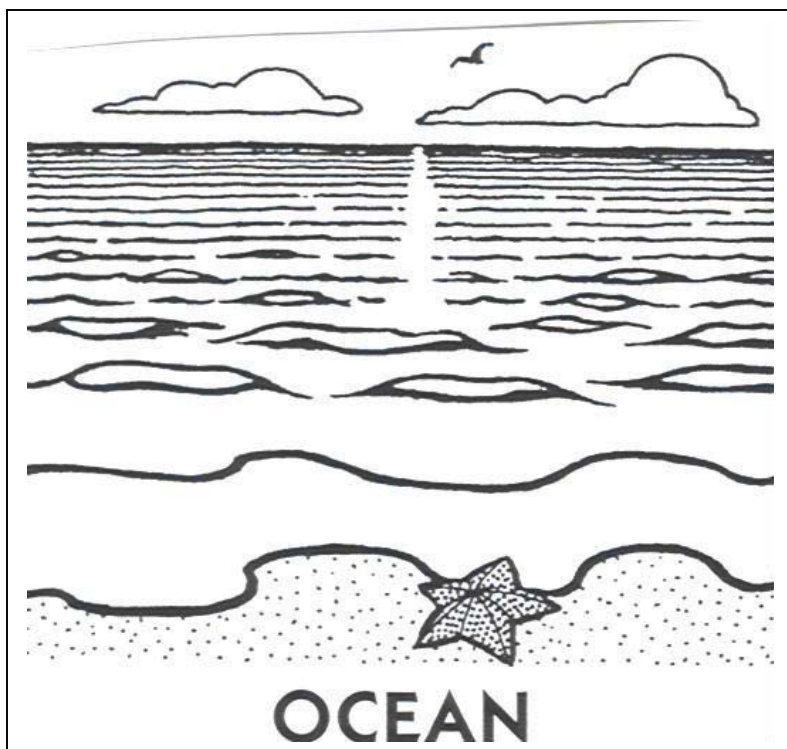
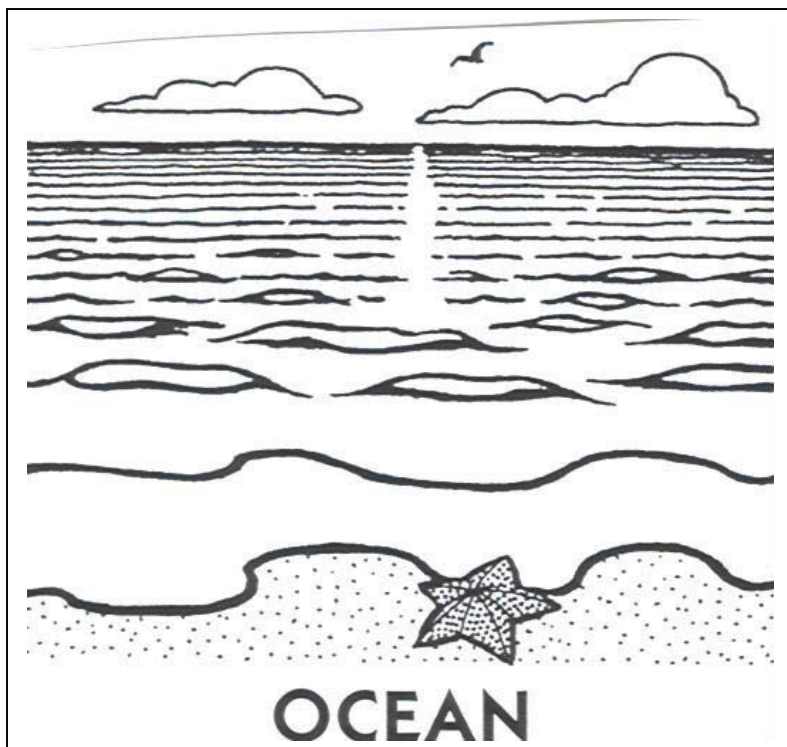
Lake Dice side pictures are:

2 ground water
1 irrigation
1 cloud
1 stay
1 industry

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Lake in one corner of dice.



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
three 4X4 square panels for
the dice (2 copies)**

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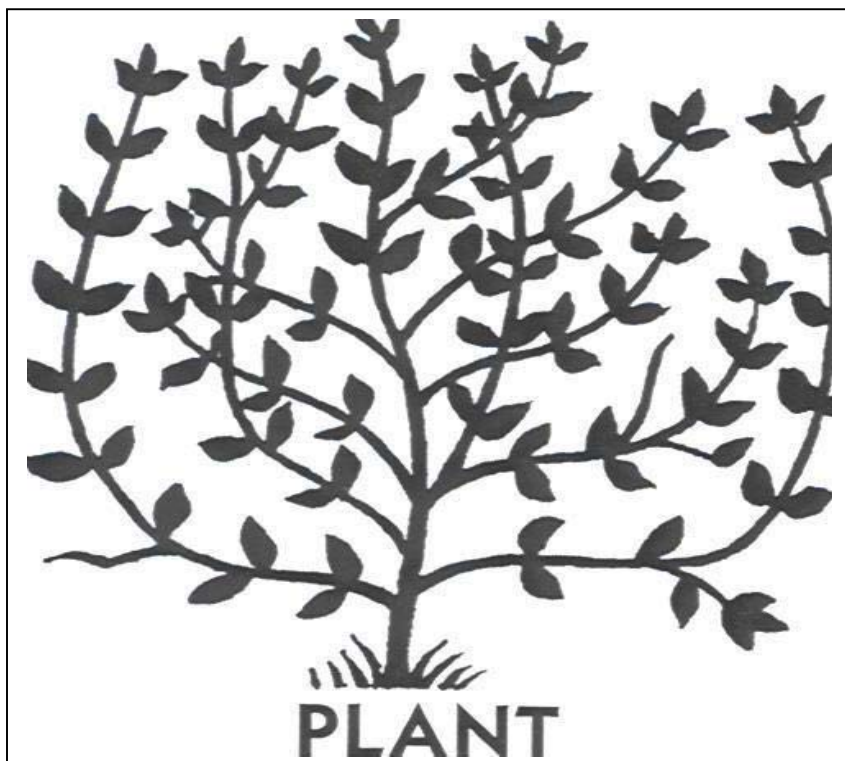
Ocean Dice side pictures are:

2 side clouds
2 side stay
1 desalinization
1 industry

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Ocean in one corner of dice.



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
five 4X4 square panels for the
dice (3 copies)**

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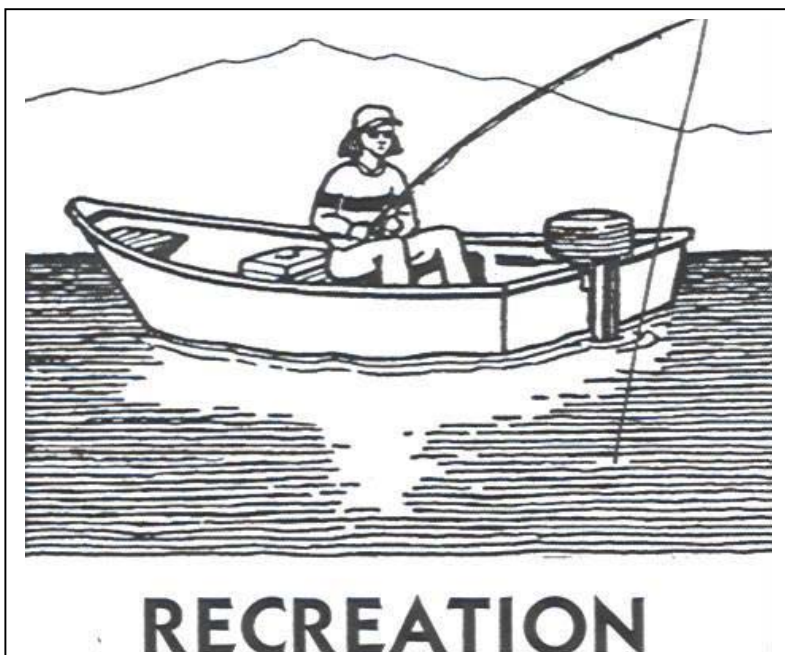
Plant Dice side pictures are:

4 side clouds
2 side stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Plant in one corner of dice.



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
one 4X4 square panel for the
dice (1 copy)**

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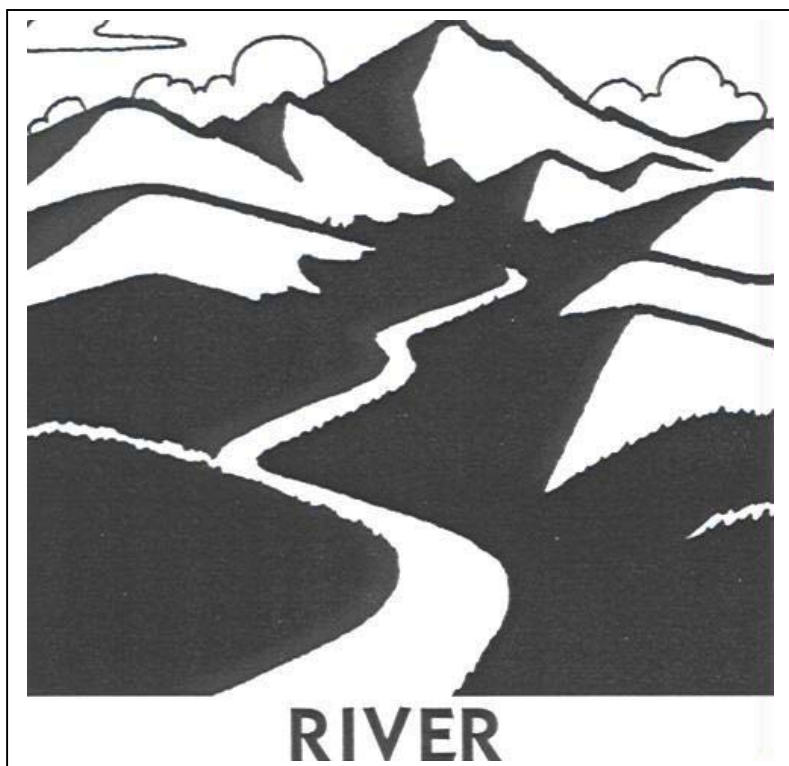
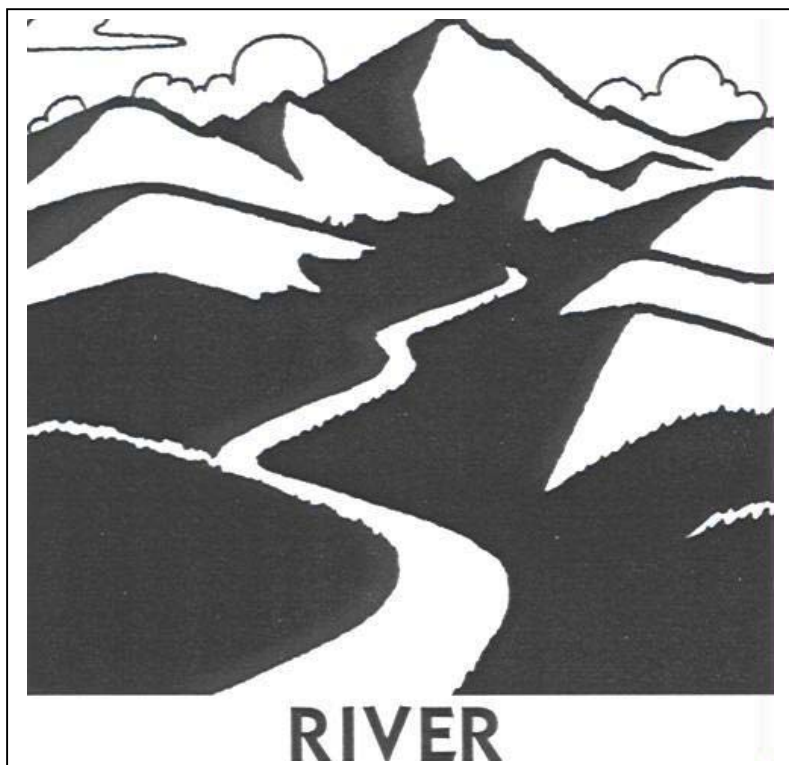
Recreation Dice side pictures are:

1 plant
2 rivers
1 lake
1 animal
1 ocean

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Recreation in one corner of dice.



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
eight 4X4 square panels for
the dice (4 copies)**

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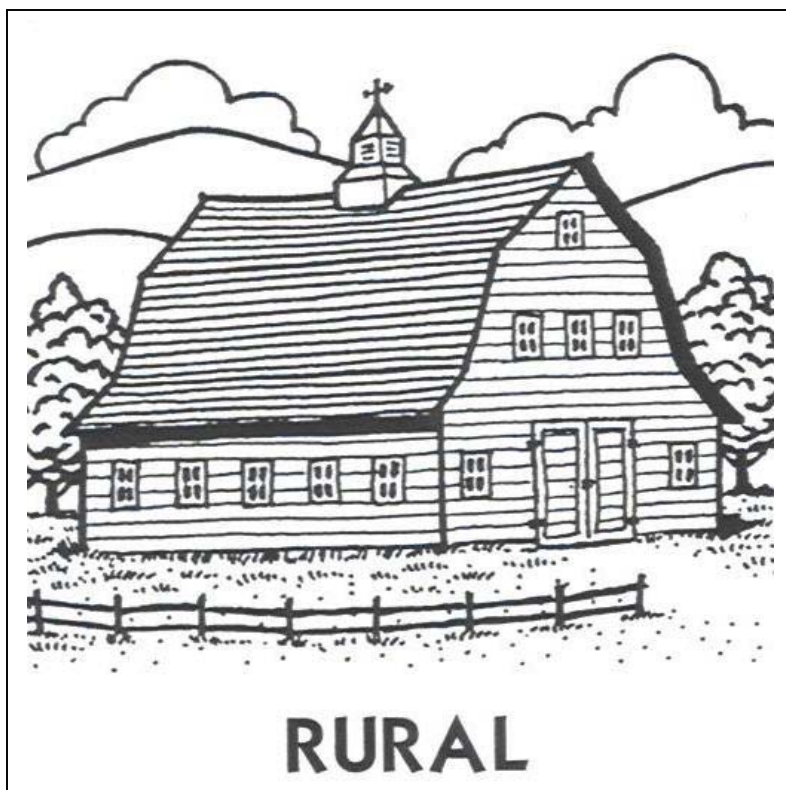
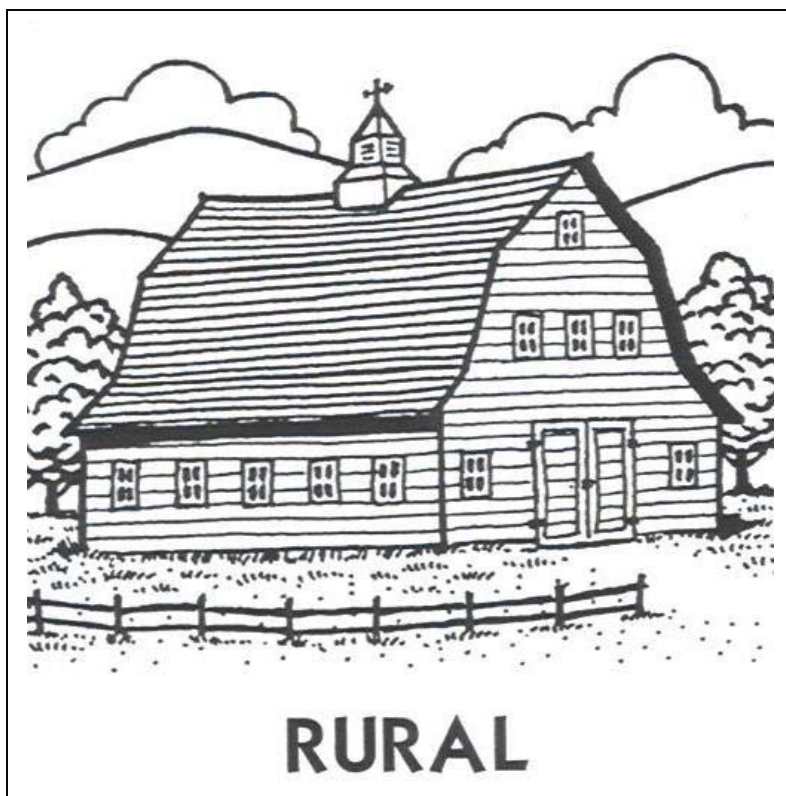
River Dice side pictures are:

- 1 water treatment
- 1 irrigation
- 1 ocean
- 1 animal
- 1 cloud

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark River in one corner of dice



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
two 4X4 square panels for the
dice (1 copies)**

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Rural Dice side pictures are:

3 septic system
1 irrigation
1 animal
1 cloud

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Rural in one corner of dice



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
three 4X4 square panels for
the dice (2 copies)**

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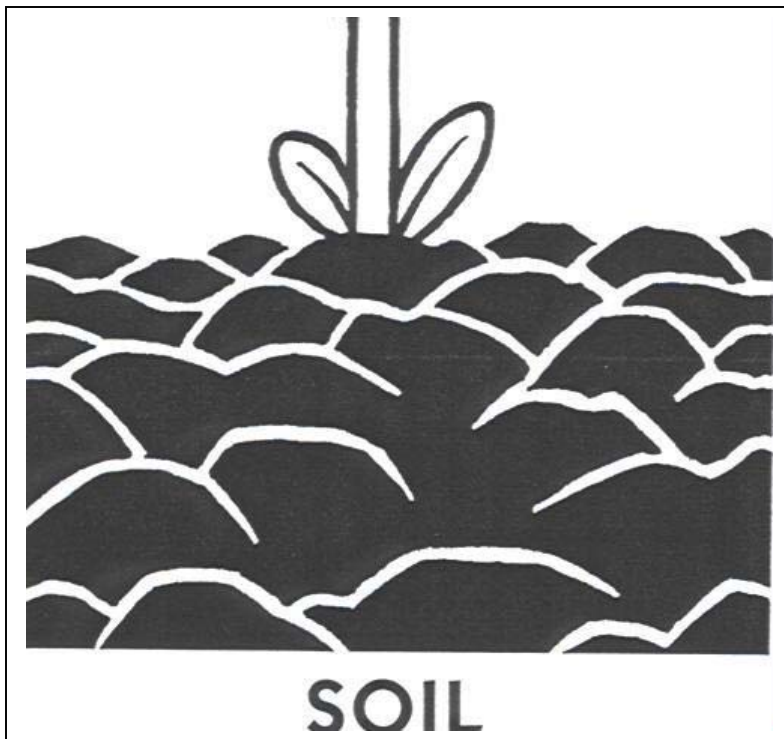
Septic System Dice side pictures are:

2 stay
4 soil

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Septic System in one corner of dice.

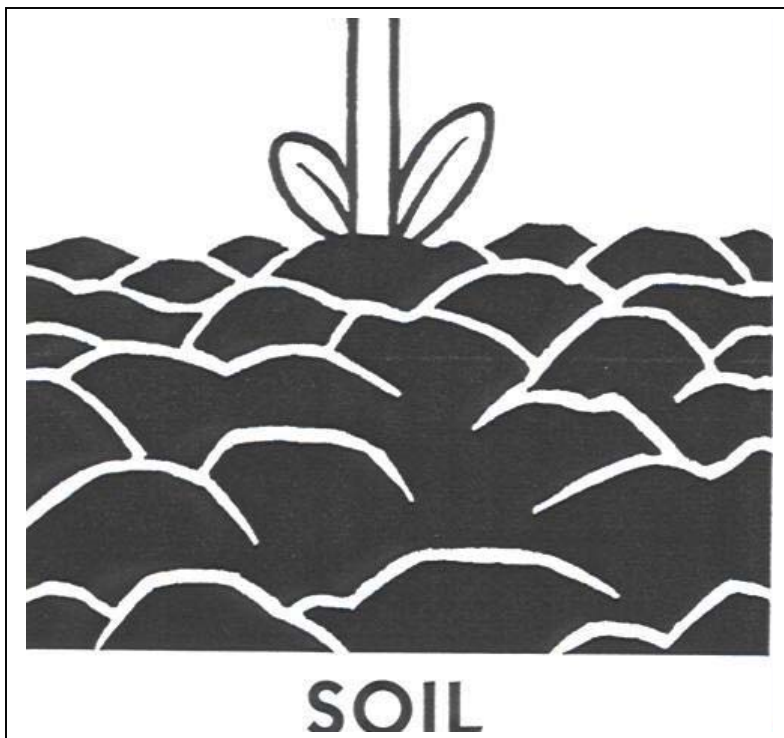


Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
nine 4X4 square panels for
the dice (5 copies)**



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Soil Dice side pictures are:

- 1 plant
- 1 river
- 1 ground water
- 2 clouds
- 1 stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Soil in one corner of dice



**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of 21
4X4 square panels for the dice
(11 copies)**

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**Blue Traveler
Conserve Water/
Watercourse**

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
five 4X4 square panels for the
dice (3 copies)**

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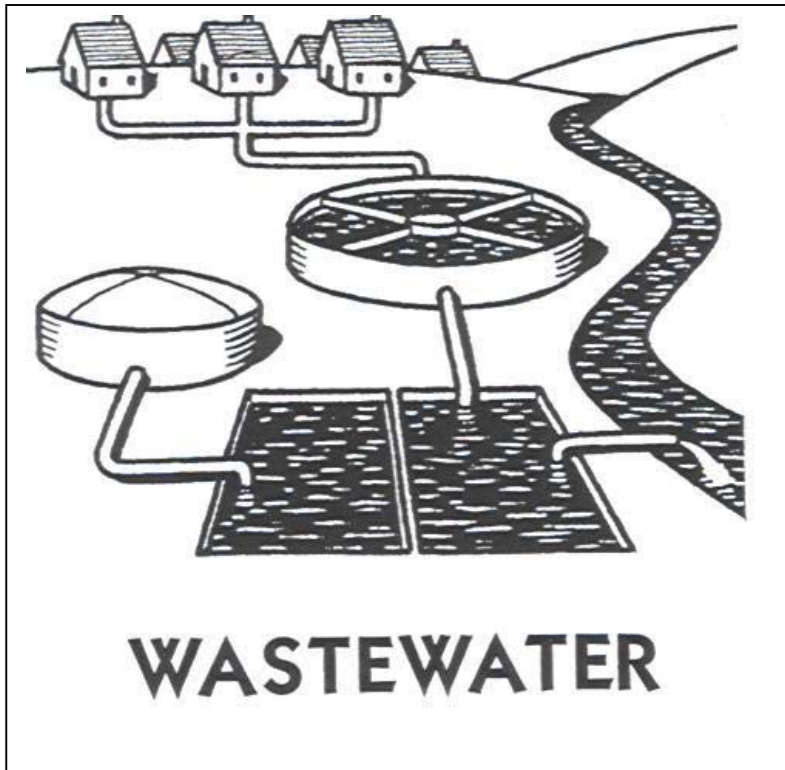
Urban Dice side pictures are:

2 wastewater
1 plant
1 soil
1 cloud
1 river

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Urban in one corner of dice.

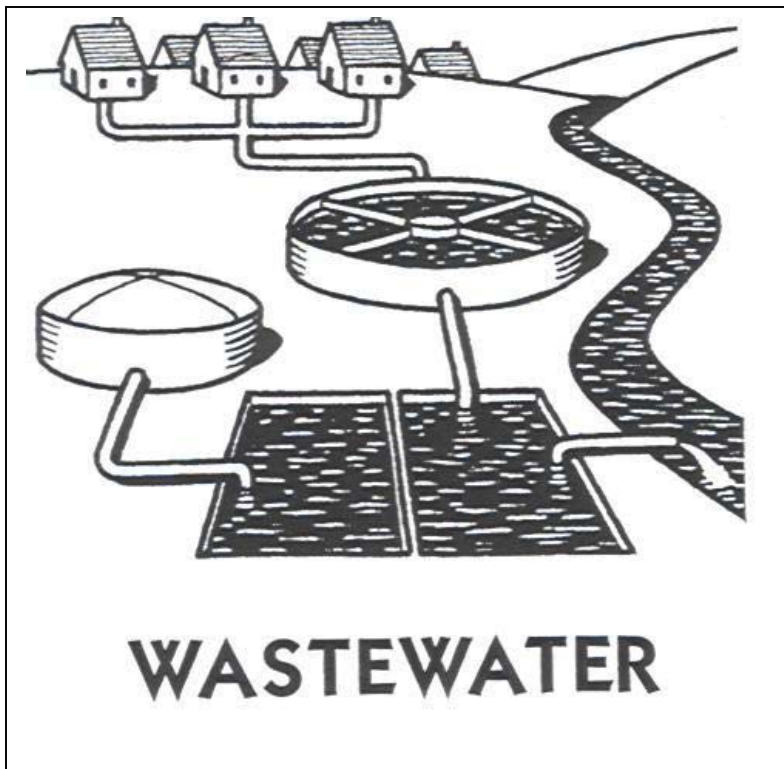


Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
four 4X4 square panels for
the dice (2 copies)**



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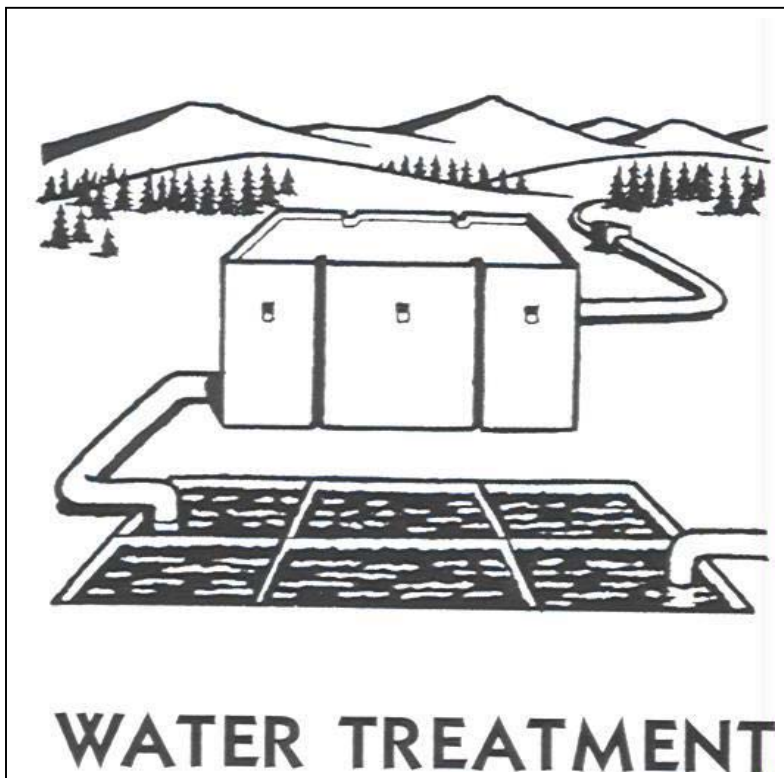
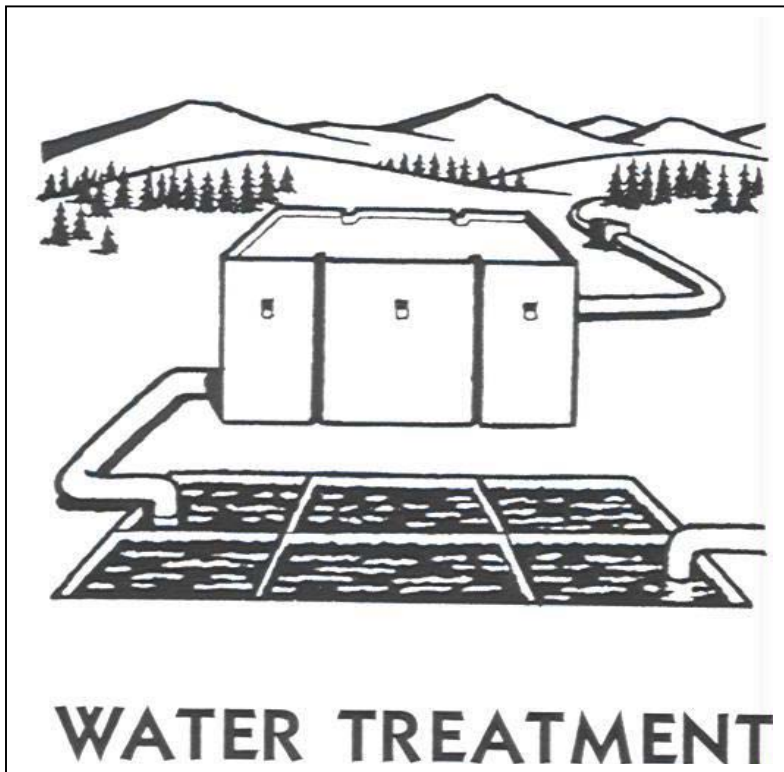
Wastewater Dice side pictures are:

- 1 river
- 1 urban
- 1 irrigation
- 1 industry
- 1 ground water
- 1 cloud

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Wastewater in one corner of dice



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
two 4X4 square panels for the
dice (1 copy)**

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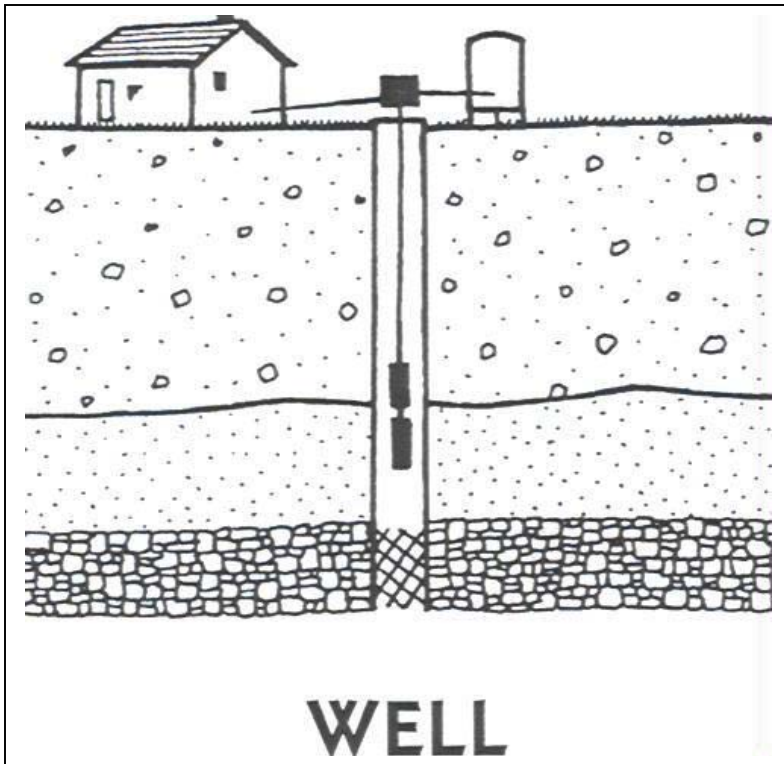
Water Treatment Plant Dice side pictures are:

- 2 urban
- 1 industry
- 1 ground water
- 2 stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Water treatment in one corner of dice



Blue Traveler Conserve Water/ Watercourse

Use a different color of paper
for each set of pictures
(or you may color each picture)

Example: Animal – Red

This picture needs a **total of
one 4X4 square panel for the
dice (1 copies)**

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Well Dice side pictures are:

2 rural
1 irrigation
1 animal
1 industry
1 stay

***Pictures will fit a 4x4x4 inch box or bigger

***Cover box with clear contact or clear wide shipping tape.

Mark Well in one corner of dice.